

PTO1449

Approved for use through 10/31/2002, OMB 0851-0001
 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO		Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/817,513
		Filing Date	11 July 2003
		First Named Inventor	Henry Wilmore Cox, Jr.
		Group Art Unit	1754
		Examiner Name	Edward M. Johnson
Sheet 1 of 4	Attorney Docket Number	1028-011	

U.S. PATENT DOCUMENTS			
Examiner Initials	Patent No.	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document
EW	5,232,484	PIGNATELLO	3 August 1993
WV	5,286,141	VIGNERI	15 February 1994
AV	5,520,483	VIGNERI	28 May 1996
AA	5,741,427	WATTS	21 April 1998
AD	6,160,194	PIGNATELLO	12 December 2000
AW	6,319,328	GREENBERG	20 November 2001

NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
AW	"Introduction to Hydrogen Peroxide", printed from the web on 2 April 2003, 5 pages, published by US Peroxide of Laguna Niguel, CA and available on their web site at [www.h2o2.com/intro/overview.html]
AD	"Soil Treatment - In situ chemical oxidation of contaminated soils (using hydrogen peroxide)", printed from the web on 2 April 2003, 7 pages, published by US Peroxide of Laguna Niguel, CA, and available on their web site at [www.h2o2.com/applications/hazardouswaste/soil.html]
AD	"BOD and COD Reduction Using Hydrogen Peroxide", printed from the web on 2 April 2003, 5 pages, published by US Peroxide of Laguna Niguel, CA, and available at [www.h2o2.com/applications/industrialwastewater/bodcod.html]
AW	"Chlorinated Solvents Treatment", printed from the web on 13 May 2002, 1 page, published by Hydroxyl Systems of Sidney, British Columbia, Canada, and available on their web site at [www.hydroxyl.com/ind_06.htm]

Examiner Signature	<i>Edward M. Johnson</i>	Date Considered	4/1/05
--------------------	--------------------------	-----------------	--------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 806. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

* Unique citation designation number. * Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PTO1448

Approved for use through 10/31/2002. OMB 0851-0031
 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1996, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/617,513
		Filing Date	11 July 2003
		First Named Inventor	Henry Wilmore Cox, Jr.
		Group Art Unit	1754
		Examiner Name	Edward M. Johnson
Sheet 2 of 4	Attorney Docket Number	1026-011	

NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
sk	"Groundwater Treatment", printed from the web on 13 May 2002, 2 pages, published by Hydroxyl Systems of Sidney, British Columbia, Canada, and available on their web site at [www.hydroxyl.com/ind_04.htm]
rl	"Fenton's Reagent - Iron-Catalyzed Hydrogen Peroxide", printed from the web on 28 April 2003, 6 pages, published by US Peroxide, Laguna Niguel, CA, at [www.h2o2.com/applications/industrialwastewater/fentonsreagent.html]
ll	YUNFU SUN et al., "Chemical Treatment of Pesticide Wastes. Evaluation of Fe(III) Chelates for Catalytic Hydrogen Peroxide Oxidation of 2,4-D at Circumneutral pH", Journal of Agricultural and Food Chemistry, February 1992, pages 322 - 327, Volume 40, American Chemical Society.
uv	JOSEPH J. PIGNATELLO et al., "Ferric Complexes as Catalysts for "Fenton" Degradation of 2,4-D and Metolachlor in Soil", Journal of Environmental Quality, March-April 1994, pages 365 - 370, Volume 23, no. 2, Madison, WI.
M	RICHARD J. WATTS et al., "Use of Iron Minerals in Optimizing the Peroxide Treatment of Contaminated Soils", Water Environment Research, November/December 1993, pages 839-844, Volume 65, number 7.
ny	RICHARD J. WATTS et al., "Hazardous Wastes Assessment, Management, and Minimization", Water Environment Research, June 1994, pages 435-440, Volume 66, number 4.
lv	SOLOMON W. LEUNG et al., "Degredation of Perchloroethylene by Fenton's Reagent: Speciation and Pathway", Journal of Environmental Quality, July-September 1992, pages 377-381, Volume 21.
lv	SUSAN J. MASTEN, "Ozonation of VOC's in the Presence of Humic Acid and Soils", 1991, pages 287-312.
al	DANIEL L. PARDIECK et al., "Hydrogen Peroxide Use to Increase Oxidant Capacity for in Situ Bioremediation of Contaminated Soils and Aquifers: A Review", Journal of Contaminant Hydrology, 1992, pages 221-242, number 9, Elsevier Science Publishers B.V., Amsterdam.
nn	BRYAN W. TYRE et al., "Waste Management", Journal of Environmental Quality, October-December 1991, pages 832-838, Volume 20.

Examiner Signature	<i>Ed M. Johnson</i>	Date Considered	4/1/05
--------------------	----------------------	-----------------	--------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PTO1449

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1996, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/817,513
		Filing Date	11 July 2003
		First Named Inventor	Henry Wilmore Cox, Jr.
		Group Art Unit	1754
		Examiner Name	Edward M. Johnson
Sheet 3 of 4	Attorney Docket Number	1026-011	

NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
UU	STEPHEN S. JOHNSON, "Round Up the Usual Suspects", Forbes Science and Technology, 22 January 1996.
dd	RICHARD S. GREENBERG et al., "In-Situ Fenton-Like Oxidation of Volatile Organics: Laboratory, Pilot, and Full-Scale Demonstrations", Remediation, March 1998, pages 29-42, John Wiley & Sons, Inc.
UV	AMY L. TEEL et al., "Comparison of Mineral and Soluble Iron Fenton's Catalysts for the Treatment of Trichloroethylene", Water Research, 2001, pages 977-984, Volume 35, No. 4, published by Elsevier Science Ltd., Great Britain.
UV	"Field Applications of In Situ Remediation Technologies: Chemical Oxidation", September 1998, EPA 542-R-98-008, U.S. Environmental Protection Agency, Washington, D.C., and available at [www.epa.gov/swertio1]
UV	"Inorganic Pollutant Dechlorination with Hydrogen Peroxide", printed from the web on 13 May 2002, 3 pages, published by US Peroxide of Laguna Niguel, CA, and available at [www.h2o2.com/applications/industrialwastewater/dechlorination.html]
UV	"Inorganic Pollutant Sulfide Oxidation Using Hydrogen Peroxide", printed from the web on 13 May 2002, 3 pages, published by US Peroxide of Laguna Niguel, CA, and available at [www.h2o2.com/applications/industrialwastewater/sulfideoxidation.html]
UV	"Inorganic Pollutant Nitrogen Oxides (nox) Abatement with Hydrogen Peroxide", printed from the web on 13 May 2002, 3 pages, published by US Peroxide of Laguna Niguel, CA, and available at [www.h2o2.com/applications/industrialwastewater/nox.html]
UV	"Inorganic Pollutant Arsenic Removal", printed from the web on 13 May 2002, 2 pages, published by US Peroxide of Laguna Niguel, CA, and available at [www.h2o2.com/applications/industrialwastewater/arsenic.html]
UV	"Organic Pollutant Formaldehyde Oxidation", printed from the web on 13 May 2002, 2 pages, published by US Peroxide of Laguna Niguel, CA, and available at [www.h2o2.com/applications/industrialwastewater/hcho.html]
UV	"Photographic Waste Treatment with Hydrogen Peroxide", printed from the web on 13 May 2002, 3 pages, published by US Peroxide of Laguna Niguel, CA, and available at [www.h2o2.com/applications/industrialwastewater/photowaste.html]

Examiner Signature	<i>uu m. n</i>	Date Considered	4/1/05
--------------------	----------------	-----------------	--------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 608. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

* Unique citation designation number. * Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PTO/1449

Approved for use through 10/31/2002. OMB 0851-0031
 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/617,513
		Filing Date	11 July 2003
		First Named Inventor	Henry Wilmore Cox, Jr.
		Group Art Unit	1754
		Examiner Name	Edward M. Johnson
Sheet 4 of 4	Attorney Docket Number	1026-011	

NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
CU	"Ground Water Treatment Hydrogen Sulfide Removal", printed from the web on 13 May 2002, 2 pages, published by US Peroxide of Laguna Niguel, CA, and available at [www.h2o2.com/applications/municipaldrinkingwater/h2sremoval.html]
CU	"Surface Water Treatment Residual Ozone Destruction", printed from the web on 13 May 2002, 1 page, published by US Peroxide of Laguna Niguel, CA, and available at [www.h2o2.com/applications/municipaldrinkingwater/ozonedestruction.html]
NO	"Landfill Leachate Treatment Systems", printed from the web on 13 May 2002, 2 pages, published by Hydroxyl Systems of Sidney, British Columbia, Canada, and available on their web site at www.hydroxyl.com/ind07.htm]
M	"Technical and Regulatory Guidance for In Situ Chemical Oxidation of Contaminated Soil and Groundwater", June 2001, Prepared by Interstate Technology and Regulatory Work Group in Situ Chemical Oxidation Work Team.

Examiner Signature	<i>CU M.M.</i>	Date Considered	4/1/05
--------------------	----------------	-----------------	--------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.